

# Notice of Allowability

Application No.

10/713,875

Examiner

Belix M. Ortiz

Applicant(s)

KLEIN ET AL.

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2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a non-final action filed 3/26/07.
2. ☒ The allowed claim(s) is/are 1-3,6,8-11,16,17 and 19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 8/27/07
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



CHARLES RONES  
SUPERVISORY PATENT EXAMINER

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. The following is an Examiner's statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's prediction program, prediction apparatus, and prediction method together with the other limitations of the independent claims.

The dependent claims being further limiting and definite are also allowable. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Authorization for this examiner's amendment was given in an interview with Arrienne M Lezak on August 27, 2007.

#### **AMENDMENT TO THE CLAIMS:**

Claim 1 has been amended. Claims 1-3, 6, 8-11, 16-17, and 19 remain pending in the application.

#### **WHAT IS CLAIMED IS:**

1. (Currently Amended) A computer implemented method comprising:  
  
accessing records in a database including identifying records using database keys corresponding to each record, wherein each record in the database has a database key that uniquely identifies the corresponding record in the database;

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generating records outside the database in response to a user input and through a user interface, wherein generating records includes generating records having non-unique record keys and no database keys;

generating database keys for records having no database key using a database key association layer;

associating the generated database keys with non-unique record keys, where non-unique record keys do not have sufficient information to uniquely identify records in the database;

receiving, in the database key association layer, a first non-unique record key from the user interface for a first record, the first non-unique record key having insufficient information to uniquely identify the first record as a record in the database;

generating a first database key for the first record and uniquely associating the first database key with the first non-unique record key to enable the first record to be stored in the database, the generating a first database key for the first record and uniquely associating the first database key with the first non-unique record key being done by the database key association layer; and

storing the first record in the database after the first database key has been generated, the database using the first database key to identify the first record in the database.

**Reasons for Allowance**

2. Claims 1-3, 6, 8-11, 16-17, and 19 are allowed.

3. The following is a statement of reasons for the indication of allowable subject matter: the prior arts of records, neither anticipates nor renders obvious the following limitations as claimed:

As to claims 1, 8, and 16, the prior art of records fail to anticipate or suggest a computer implemented method comprising:

accessing records in a database including identifying records using database keys corresponding to each record, wherein each record in the database has a database key that uniquely identifies the corresponding record in the database;

generating records outside the database in response to a user input and through a user interface, wherein generating records includes generating records having non-unique record keys and no database keys;

generating database keys for records having no database key using a database key association layer;

associating the generated database keys with non-unique record keys, where non-unique record keys do not have sufficient information to uniquely identify records in the database;

receiving, in the database key association layer, a first non-unique record key from the user interface for a first record, the first non-unique record key having insufficient information to uniquely identify the first record as a record in the database;

generating a first database key for the first record and uniquely associating the first database key with the first non-unique record key to enable the first record to be stored in the database, the generating a first database key for the first record and uniquely associating the first database key with the first non-unique record key being done by the database key association layer; and

storing the first record in the database after the first database key has been generated, the database using the first database key to identify the first record in the database, together with the other limitations of the independent claims.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Belix M. Ortiz whose telephone number is 571-272-4081. The examiner can normally be reached on Monday-Friday 9am-5pm.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

bmo

August 29, 2007.

A handwritten signature in black ink, appearing to read "C. Rones".

CHARLES RONES  
SUPERVISORY PATENT EXAMINER